



Elemelt Technical Data Sheet 2975

Elemelt 2975 is an FDA compliant propylene homopolymer resin designed for low pressure molding. This resin has the characteristics of a short open time with a high melting point, has excellent chemical resistance and superior adhesion properties. Application temperature is 180-210°C which is ideal for PCB encapsulation and durability. Adhesion can be further improved with plasma treating or by coating chemical primer. This product is available in natural.

DESCRIPTION: Propylene homopolymer and FDA compliant*.

FEATURES: High softening point, short open time, good cohesive strength, and high viscosity.

APPLICATIONS: Component of hot melt adhesives, sealants, and specialty products.

PROPERTIES	TEMP °C	NOMINAL VALUE	SI UNIT	TEMP °F	NOMINAL VALUE	ENGLISH UNIT	ASTM TEST METHOD
Melt Viscosity	163	23000	MPa s	325	23000	cps	D 3236
	177	11000	MPa s	350	11000	cps	D 3236
	190	8000	MPa s	375	8000	cps	D 3236
	204	6000	MPa s	400	6000	cps	D 3236
Needle Penetration	25	10	1/10 mm				D 1321
Tensile Strength	23	2.56	MPa	73	375	psi	D 638
Softening Point by Ring and Ball		157	°C		315	°F	E 28
Shear Adhesion Failure Temp. (SAFT), Kraft/Kraft		139	°C		282	°F	ASTM Method**
Glass Transition, Tg		-20	°C		-4	°F	D 3417
Open Time, Kraft/Kraft	25	0	seconds				ASTM Method**
Flashpoint, COC		>235	°C		>450	°F	D 93
Solid Density	25	0.86	g/cc				D 792
Melt Density	190	0.74	g/cc	375	6.17	lbs/gal	ASTM Method**

STORAGE CONDITIONS

Store in sealable container once shipping bag has been opened. Propylene homopolymers are sensitive to high humidity and will absorb atmospheric moisture. Be sure to dry propylene homopolymer resin at 60°C for more than 4 hours before use. Shelf life is 6 months with proper storage and at a temperature below 30°C.

Note:

Our data and recommendations in this sheet do not constitute a warranty or representation for which we assume legal responsibility. They are offered only for your reference, investigation and verification, not guaranteed values.

Before using this product, please check or study carefully, that this grade is suitable for your purpose, application and process condition, etc.